

GenCore version 4.5
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On nucleic - nucleic search, using sw model

Run on: December 3, 2000, 18:25:29 ; Search time 23795.2 seconds
(without alignments)
1132.312 Million cell updates/sec

Title: US-09-227-881-3

Perfect score: 6169

Sequence: 1 atcttttgttcagttaccc. ctgtgcccctccatgtcag 6169

Scoring table: IDENTITY_NUC

Gapop 10.0 , Gapext 1.0

Searched: 1033670 seqs, 218378903 residues

Total number of hits satisfying chosen parameters: 2067340

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%

Listing first 45 summaries

Database : GenEmbl:*

1: gb_ba1:*

2: gb_ba2:*

3: gb_om:*

4: gb_ov:*

5: gb_bt1:*

6: gb_ph:*

7: gb_p11:*

8: gb_p12:*

9: gb_prl:*

10: gb_pr2:*

11: gb_pr3:*

12: gb_ro:*

13: gb_sy:*

14: gb_un:*

15: em_fun:*

16: em_hum1:*

17: em_hum2:*

18: em_in:*

19: em_om:*

20: em_lor:*

21: em_ov:*

22: em_pat:*

23: em_ph:*

24: em_pl:*

25: em_ro:*

26: em_sts:*

27: em_sy:*

28: em_un:*

29: em_v1:*

30: qb_ba3:*

31: qb_in1:*

32: qb_in2:*

33: qb_in3:*

34: qb_pl3:*

35: qb_pr4:*

36: em_ba1:*

37: em_ba2:*

38: em_htg1:*

39: em_htg2:*

40: em_htg3:*

41: em_htg4:*

42: em_htg5:*

43: em_htg6:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match Length	DB ID	Description
C 1	6105.4	99.0	79376	65 HSU54G6 Z98750 Human DNA S
2	6054.4	98.1	170425	77 AC024490 Homo sapi
3	5300	85.9	5300	11 AF007562 Homo sapi
4	2577.4	43.4	2800	42 HSMYOC1 AF049791 Homo sapi
5	1190.4	19.3	1228	9 AB006686 Homo sapi
6	1084.4	17.6	1086	66 HSGIC1A1 AB27171 Homo sapien
7	651.2	10.6	1934	35 DB8214 Homo sapien
8	640.4	10.4	1999	5 AR030962 Sequence
9	640.4	10.4	1999	5 AR056022 Sequence
10	640.4	10.4	1999	5 AR059089 Sequence
11	640.4	10.4	2000	66 HSU85257 UR5257 Human trape
12	640.4	10.4	2002	5 A84847 Sequence 2

13 635.6 10.3 2'000 S A84850 Sequence 2
 14 602.4 10.2 2061 66 HS001620
 15 602.4 9.8 1512 5 A84848 Sequence 3
 16 604.4 9.8 1512 5 AR030963 Sequence 3
 17 604.4 9.8 1512 5 AR066023 Sequence
 18 604.4 9.8 1512 5 AR069090 Sequence
 19 599.6 9.7 1512 5 A84851 Sequence 3
 20 585.8 9.5 2800 12 MMUSMVOCl
 21 585.8 9.1 2800 12 MMUSMGP1
 22 556.6 9.0 1959 5 AR020502 Sequence
 23 556.6 9.0 1969 5 186470
 24 519.6 8.4 1491 5 AR020503 Sequence 2
 25 519.6 8.4 1491 5 I36471 Sequence 3
 26 440.8 7.1 2004 12 AB013592
 27 440.8 7.1 2004 12 AB013592
 28 430.4 7.0 2044 12 AB019393
 29 426.2 6.9 2068 12 AB093567
 30 398.8 6.5 1473 3 AB027758
 31 217 3.5 228 11 AF007564
 32 189.8 3.1 161577 10 AC007688
 33 189.8 3.1 193123 77 AC023790
 34 189 3.1 19722 71 AC012404
 35 187.8 3.0 97037 9 AC004973
 36 187.8 3.0 135038 67 HUNWYD703
 37 185.8 3.0 76727 65 HS821011
 38 185.8 3.0 152444 79 AC026395
 39 185.8 3.0 157057 78 AC05947
 40 185.8 3.0 161499 72 AC01588
 41 185.8 3.0 184556 86 AL161726
 42 185.8 3.0 200881 69 AC008755
 43 185.6 3.0 201372 86 AL157941
 44 184.8 3.0 146190 89 AP001813
 45 184.8 3.0 163494 89 AP02391

ALIGNMENTS

RESULT 1
 HS454G6/C
 DEFINITION HS454G6 79376 bp DNA sequence from PAC 454G6 on chromosome 1q24. Contains trabeicular meshwork inducible glucocorticoid response protein, TIGR, myocilin, ESTs and STS.
 ACCESSION 23-NOV-1999
 VERSION 298150.1
 KEYWORDS GI:2887277
 SOURCE
 ORGANISM Homo sapiens
 Eukaryote; Metazoa; Chordata; Craniata; Vertebrates; Buteleostomi;
 Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
 REFERENCE 1 (bases 1 to 79376)
 AUTHORS Deadman,R.
 TITLE Direct Submission
 JOURNAL Submitted (27-OCT-1997) Chromosome 1 Project Group
 (<http://www.sanger.ac.uk/HGP/Chr1/>) Sanger Centre, Hinxton,
 Cambridgeshire, CB10 1SA, UK. E-mail: enquiries:
 humquer@sanger.ac.uk Clone requests: clonerequests@sanger.ac.uk
 COMMENT On Feb 14, 1998 this sequence version replaced g1:265060.
 IMPORTANT: This sequence is not the entire insert of clone 454G6. It may be shorter because we only sequence overlapping sections once, or longer because we arrange for a small overlap between neighbouring submissions. During sequence assembly data is compared from overlapping clones. Where differences are found these are annotated as variations together with a note of the overlapping clone name. Note that the variations annotated may not be found in the sequence submission corresponding to the overlapping clone as we submit sequences with only a small overlap as described above. This sequence was generated from part of bacterial clone contigs of human chromosome 1, constructed by the Sanger Centre chromosome 1 mapping group. Further information can be found at
<http://www.sanger.ac.uk/HGP/Chr1/>

A84850 Sequence 2
 AF001620 Homo sapi
 A84848 Sequence 3
 AR030963 Sequence 3
 AR066023 Sequence
 AR069090 Sequence
 A84851 Sequence 3
 AF049794 Mus muscu
 AF01333 Mus muscu
 AR020502 Sequence
 I36470 Sequence 2
 AR020503 Sequence 2
 I36471 Sequence 3
 AB013592 Mus muscu
 AF09869 Mus muscu
 AB01939 Rattus no
 AF093567 Rattus no
 AB027758 Bos tauru
 AF07564 Homo sapi
 AC001688 Homo sapi
 AC021790 Homo sapi
 AC012404 Homo sapi
 AC004973 Homo sapi
 L78810 Homo sapien
 AL021453 Human DNA
 AC026395 Homo sapi
 AC05947 Homo sapi
 AC015488 Homo sapi
 AL161726 Homo sapi
 AC008755 Homo sapi
 AL17941 Homo sapi
 AP001813 Homo sapi
 AP02391 Homo sapi

FEATURES source
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 /chromosome="1"
 /map="1q24"
 /clone="RP3-454G6"
 /clone_id="RCI-3"
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 /note="19 copies of 2 mer 82 % conserved"
 prim_transcript
 1914..>3968
 /note="match: multiple ESTs
 match: multiple ESTs
 match: R56676 AA03968 W63639 F12081 AA046699
 match: F02925 AA131540 W00534 R30666 AA31383
 match: AA163561 F02925 AA131540 W00634 R30666
 match: AA313398 AA163561 N89173 AA17814 RA057059
 match: AA329884 W47082 AA043955 AA341783 AA353681
 match: AA36487 AA35974 H08313 AA16595 H2730
 match: H08333 H08236 N70252 D61944 R27102 N32353
 match: N30491 AA307150 AA192"
 3703..3746
 /note="22 copies of 2 mer 89 % conserved"
 repeat_region
 4051..4183
 /note="AluSg repeat: matches 1..133 of consensus
 incomplete repeat"
 4200..4502
 /note="AluSg repeat: matches 2..301 of consensus"
 4659..4851
 /note="AluSg repeat: matches 2..194 of consensus
 repeat_region
 incomplete_repeat
 5216..5345
 /note="AluJo repeat: matches 132..1 of consensus
 incomplete repeat"
 7759..7907
 repeat_region
 /note="MIR repeat: matches 174..1 of consensus"
 repeat_region
 7933..9328
 /note="TIGGER1 repeat: matches 1..1472 of consensus"
 9332..9626
 /note="AluSg repeat: matches 1..289 of consensus"
 9639..10335
 /note="TIGGER1 repeat: matches 1469..2174 of consensus"
 10343..10642
 /note="AluSP repeat: matches 1..300 of consensus"
 10643..10856
 /note="AluSg repeat: matches 2175..2417 of consensus"
 <10803..>10835
 /note="endogenous retroviral sequence"
 repeat_region
 10849..11384
 /note="LTR2 repeat: matches 31..449 of consensus"
 15835..15870
 /note="18 copies of 2 mer 83 % conserved"
 16856..17286
 /note="LTR2 repeat: matches 31..449 of consensus"
 17287..17574
 /note="AluSg repeat: matches 15..300 of consensus"
 18294..18650
 /note="THERB repeat: matches 358..1 of consensus"
 18877..19180
 /note="AluY repeat: matches 301..2 of consensus"
 19767..20013
 /note="MIR2 internal repeat: matches 5002..4750 of
 consensus"

This sequence has been finished according to sequence map criteria as follows. An attempt is made to resolve all sequencing problems, such as compressions and repeats, but not necessarily within known annotated human repeat sequence elements (e.g. Alu). Where the sequence is ambiguous, there is an annotation using the 'unsure' feature key.

The true left end of clone 454G6 is at 1 in this sequence. The true left end of clone 56089 is at 79273. 454G6 is from the library RPC13 constructed at the Roswell Park Cancer Institute by the group of Pieter de Jong. For further details see <http://bacpac.med.buffalo.edu/>.

FEATURES source

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79376

/organism="Homo sapiens"

/db_xref="taxon:9606"

/chromosome="1"

/map="1q24"

/clone="RP3-454G6"

/clone_id="RCI-3"

/435..472

repeat_region

/note="19 copies of 2 mer 82 % conserved"

prim_transcript

1914..>3968

/note="match: multiple ESTs

match: R56676 AA03968 W63639 F12081 AA046699

match: F02925 AA131540 W00534 R30666 AA31383

match: AA163561 F02925 AA131540 W00634 R30666

match: AA313398 AA163561 N89173 AA17814 RA057059

match: AA329884 W47082 AA043955 AA341783 AA353681

match: AA36487 AA35974 H08313 AA16595 H2730

match: H08333 H08236 N70252 D61944 R27102 N32353

match: N30491 AA307150 AA192"

3703..3746

/note="22 copies of 2 mer 89 % conserved"

repeat_region

4051..4183

/note="AluSg repeat: matches 1..133 of consensus

incomplete repeat"

4200..4502

/note="AluSg repeat: matches 2..301 of consensus"

4659..4851

/note="AluSg repeat: matches 2..194 of consensus

repeat_region

incomplete_repeat

5216..5345

/note="AluJo repeat: matches 132..1 of consensus

incomplete repeat"

7759..7907

repeat_region

/note="MIR repeat: matches 174..1 of consensus"

repeat_region

7933..9328

/note="TIGGER1 repeat: matches 1..1472 of consensus"

9332..9626

/note="AluSg repeat: matches 1..289 of consensus"

9639..10335

/note="TIGGER1 repeat: matches 1469..2174 of consensus"

10343..10642

/note="AluSP repeat: matches 1..300 of consensus"

10643..10856

/note="AluSg repeat: matches 2175..2417 of consensus"

<10803..>10835

/note="endogenous retroviral sequence"

repeat_region

10849..11384

/note="LTR2 repeat: matches 31..449 of consensus"

15835..15870

/note="18 copies of 2 mer 83 % conserved"

16856..17286

/note="LTR2 repeat: matches 31..449 of consensus"

17287..17574

/note="AluSg repeat: matches 15..300 of consensus"

18294..18650

/note="THERB repeat: matches 358..1 of consensus"

18877..19180

/note="AluY repeat: matches 301..2 of consensus"

19767..20013

/note="MIR2 internal repeat: matches 5002..4750 of

consensus"

repeat_region	20051..20118	incomplete repeat"
repeat_region	/note- "MLT2 repeat: matches 539. .471 of consensus"	/note- "AluJb repeat: matches 299. .1 of consensus"
repeat_region	/note- "20130..20261 incomplete repeat"	/note- "AluJb repeat: matches 131. .1 of consensus"
repeat_region	/note- "AluJb repeat: matches 482. .1 of consensus"	/note- "MLT2 repeat: matches 482. .1 of consensus"
repeat_region	20264..20722	/note- "MLT2 repeat: matches 482. .1 of consensus"
repeat_region	20858..21223	/note- "MSTD repeat: matches 394. .1 of consensus"
repeat_region	21216..21302	/note- "MLT2 internal repeat: matches 4520. .4433 of consensus"
repeat_region	21403..21703	/note- "MLT2 internal repeat: matches 3887. .3580 of consensus"
repeat_region	21978..22357	/note- "MLT2 internal repeat: matches 3218. .2839 of consensus"
repeat_region	22363..22524	/note- "MLT2 internal repeat: matches 2495. .2317 of consensus"
repeat_region	22531..22839	/note- "AlusX repeat: matches 302. .1 of consensus"
repeat_region	23007..23309	/note- "AlusX repeat: matches 3. .301 of consensus"
misc_feature	23286..23800	/note- "STS G07544" complement(23652..24072)
repeat_region	24008..24290	/note- "AluJ repeat: matches 298. .6 of consensus"
repeat_region	25895..26364	/note- "LTR2 repeat: matches 2. .449 of consensus"
repeat_region	26397..26697	/note- "AlusX repeat: matches 1. .302 of consensus"
repeat_region	26719..27021	/note- "AlusX repeat: matches 1. .302 of consensus"
repeat_region	29037..29334	/note- "MLT2B repeat: matches 300. .3 of consensus"
repeat_region	30028..30310	/note- "AlusX repeat: matches 1. .301 of consensus"
repeat_region	30402..30539	/note- "MLT2B repeat: matches 264. .404 of consensus"
repeat_region	30402..30615	/note- "MLT2A repeat: matches 264. .453 of consensus"
prim_transcript	>30801..>31336	/note- "match: 5' EST AA256902 clone 682136"
repeat_region	30980..31222	/note- "MER4B repeat: matches 199. .431 of consensus"
repeat_region	31232..31528	/note- "AluJ repeat: matches 299. .1 of consensus"
repeat_region	31530..31654	/note- "MER4B repeat: matches 417. .540 of consensus"
repeat_region	31886..32135	/note- "AluY repeat: matches 300. .1 of consensus"
repeat_region	32200..32301	/note- "AluJ repeat: matches 186. .287 of consensus"
repeat_region	32365..32493	/note- "MR repeat: matches 206. .67 of consensus"
repeat_region	32823..33399	/note- "MR repeat: matches 77. .196 of consensus"
repeat_region	33408..33667	/note- "AluY repeat: matches 1. .291 of consensus"
repeat_region	33956..34043	/note- "MR repeat: matches 80. .167 of consensus"
repeat_region	34225..34904	/note- "AluJ repeat: matches 299. .127 of consensus incomplete repeat"
repeat_region	34907..35207	/note- "AluJ repeat: matches 300. .1 of consensus"
repeat_region	35212..35344	/note- "AluJb repeat: matches 133. .1 of consensus"

RESULT	2
AC024490	AC024490 170425 bp DNA Homo sapiens chromosome 1 clone RP11-138F3 map 1, WORKING DRAFT
LOCUS	CCAAACAGACTCTGGAAAGTTRATTCAGAATCTCTGTCAGCAGGTGAAGCAACCC 63250
DEFINITION	cctgtgcacagcccaaccacacttcacgttgccacccctgttcccccataaggct 5219
SEQUENCE	28 unordered pieces.
ACCESSION	AC024490
VERSION	AC024490.3 GI:8076950
KEYWORDS	HTGS; PHASEI; HTGS_DRAFT.
SOURCE	human.
ORGANISM	Homo sapiens
REFERENCE	Euryarchaeota; Metazoa; Chordata; Craniata; Vertebrata; Buteleostomi; Mammalia; Eutheria; Primates; Cetartiodontia; Hominoidea; Homo.
AUTHORS	1 (bases 1 to 170425)
TITLE	Birren,B., Linton,L., Nusbaum,C. and Lander,E.
JOURNAL	Homo sapiens chromosome 1, clone RP11-138F3
REVISION	Unpublished
2 (bases 1 to 170425)	
AUTHORS	Birren,B., Linton,L., Nusbaum,C., Lander,E., Abraham,H., Allen,N., Anderson,S., Baldwin,J., Barna,N., Beda,F., Boguslavsky,L., Boukhghter,B., Brown,A., Burkett,G., Campopiano,A., Castle,A., Choepe,Y., Colangelo,M., Collins,J., Ichoczy,J., Levine,R., Dabellano,K., Dewar,K., Diaz,J.S., Dodge,S., Domino,M., Doyle,M., Fenster,J., Ferreira,P., FitzHugh,W., Forrest,C., Gage,D., Galagan,J., Gardiner,S., Ginde,S., Gorette,M., Graham,L., Grand-Pierre,N., Grant,G., Hagos,B., Heaford,A., Horton,L., Howland,J.C., Iliev,I., Johnson,R., Jones,C., Kann,L., Karatas,A., Klein,J., Landers,T., Margocque,J., McComore,A., Cooke,P., Lieu,C., Liu,G., Locke,K., Macdonald,P., Marquis,N., McCarthy,M., McEwan,P., McGurk,A., Nickerman,K., McSheeters,R., Meljord,J., Mewes,W., Mihova,T., Miranda,J., Milenga,V., Morrow,J., Nayler,J., Norman,C.H., O'Connor,T., O'Donnell,P., O'Neil,D., Oliver,T.M., Peterson,K., Pierre,N., Pianini,C., Polaris,V., Raymond,C., Riley,R., Rogov,P., Rothman,D., Roy,A., Santos,R., Schauer,S., Severy,P., Spencer,B., Stange-Thomann,N., Stojanovic,N., Subramanian,A., Talamas,J., Testeyre,S., Theodore,J., Tirrell,A., Travers,M., Trigilio,J., Vassilieff,H., Vieil,R., Vo,A., Wilson,B., Wu,X., Wyman,D., Ye,W.J., Young,G., Zainoun,J., Zimmer,A. and Zody,M.
TITLE	Direct Submission
JOURNAL	Submitted (28 FEB 2000) Whitehead Institute/MIT Center for Genome Research, 320 Charles Street, Cambridge, MA 02141, USA
COMMENT	On May 25, 2000 this sequence version replaced gi:749345. All repeats were identified using RepeatMasker: Smit, A.F.A. & Green, P. (1996-1997) http://ftp.genome.washington.edu/RM/repeatmasker.html
Center	Whitehead Institute/ MIT Center for Genome Research
Center code	WIBR
Web site	http://www-seq.wi.mit.edu
Contact	sequence.submissions@genome.wi.mit.edu
Project name	-----
Center clone name	L173
-----	Summary Statistics
Sequencing vector	M13; M7715; 100% of reads
Chemistry	Dye-terminator
Assembly program	Phrap; version 0.96031
Consensus quality	15183 bases at least Q40
Consensus quality	16039 bases at least Q30
Consensus quality	16078 bases at least Q20
Insert size	167000; agarose-fp
Insert size	167725; sum-of-contigs
Quality coverage	4.1 in 020 bases; agarose-fp
Quality coverage	4.1 in 020 bases; sum-of-contigs
-----	-----
* NOTE:	This is a 'working draft' sequence. It currently
* consists of 28 contigs. The true order of the pieces	
* is not known and their order in this sequence record is	
* arbitrary. Gaps between the contigs are represented as	
* runs of N, but the exact sizes of the gaps are unknown.	
* This record will be updated with the finished sequence.	

/genus="TIGR".
 /note="additional 3' UTR sequence deposited as TIGR gene
 sequence with GenBank Accession Number AF012654."
 ORIGIN BASE COUNT
 a 508 C 534 g 420 t

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organism="unidentified"
/db_xref="taxon:32644"

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Qy	5735	ccaaacccaggatgttggagactgcctaca	5794
Db	421	ccaaacccaggatgttggagactgcctaca	5794
Qy	5795	ggaggaggaaagcgaactaaaggcagaatgtggaaatctggccaggaggttggaaagag	5854
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Qy	5915	ggctgttccaccaggctccataagaatgt	5942
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Search completed: December 3, 2000, 18:35:10C
Job time: 43924 sec

LOCUS	A84848	1512 bp	DNA	PAT
DEFINITION	Sequence 3 from Patent	WO9394108.		21-JAN-2000
ACCESSION	A84848			
VERSION	A84848.1	GI:6733712		
KEYWORDS				
SOURCE	.	unidentified.		
ORGANISM	unidentified	unclassified.		
REFERENCE	1	(bases 1 to 1512)		
AUTHORS	Huang, W. and Nguyen, T.D.			
TITLE	DIAGNOSIS AND PROGNOSIS OF GLAUCOMA			
JOURNAL	PATENT: WO 9394108-A 08-OCT-1998;			
	HUANG WEIDONG (US); NGUYEN THAI D (US)			
FEATURES	Location/Qualifiers			
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BASE COUNT	392 a 406 C 423 g 291 t			
ORIGIN				

